	Operating	u		Storage						
	Operating temperature range Operating humidity range		-35 °C to +85°C (Note1)	-35 °C to +85°C (Note1) temperature r		ange -10 °C to +60°C (Note3)				
Rating			40% to 80% (Note2)	Storage humidity ra					,	
	Applicable connector		DF5A-*DS-5C	Current ((- /	Nunber of contact	AWG 18	AWG 20	AW	/G 2
	Voltage (*1)		500 V AC/DC			4,6	8 A	6 A		5 A
	UL CSA Rating	Voltage	See(*1)			8,10 12 14,16	7 A 7 A 7 A	6 A 6 A 6 A		5 A
	Taung	Current	See(*2)							1 A 1 A
	·		Specific	cations					•	
	Item		Test method			Req	uirements		QT	А
Construc	tion									
General examination		-	Visually and by measuring instrument.			According to drawing.				
Marking			d visually.						Х	
	characteri	stics		r					x	
Contact resistance Millivolt level method		100mA (D	100mA (DC or 1000Hz).			30 mΩ MAX.				
Insulation resistance		500 V DC.	500 V DC.			1000 MΩ MIN.				
Voltage proof		1500 V AC	1500 V AC for 1 min.			No flashover or breakdown.				
Mechani	cal chara	cteristics		I					Х	1
Mechanical			sertion and extraction.	①Cc	ontact	resistance: 30	DmΩ MAX.		X	-
Vibration						②No damage, crack or looseness of parts.				
			Frequency 10 to 55Hz, single amplitude 0.75 mm, at 2h, for 3 directions.			①No electrical discontinuity of 10μ s. ②No damage, crack or looseness of parts.				-
Shock		490 m/s ² c	490 m/s ² duration of pulse 11 ms at 3 times for 3 direction			-				+-
Environm	ental chara	acteristics								•
Damp heat (Steady state)			Exposed at 40 \pm 2°C , 90 to 95 %, 96 h. (After leaving the room temperature for 1-2h.)				30 mΩ MAX.		Х	-
						n resistance:	500 MΩ MIN. looseness of par	rts		
Rapid change of temperature		,	Temperature -55 \rightarrow 5 to 35 \rightarrow 85 \rightarrow 5 to 35 °c			-	$30 \text{ m}\Omega$ MAX.		X	+ -
		Time				②Insulation resistance: 1000 MΩ MIN. ③No damage, crack or looseness of parts.				
Resistance to soldering heat			Under 5 cycles. [Recommended temperature profile]			age, crack or ation on case		ns.	X	+-
	g	-	temperature 260±3°C for immersing			of the termina				
			n 10±1s. ended manual soldering condition]							
		•	ng iron temperature:350±5°C							
			in 3±1s							
Solderability		-	No strength on contact.			New uniform coating of solder shall				
			Soldered at solder temperature : 235°c For in immersing duration : 5s.			cover minimum of 95 % of the surface				
						being immersed.				
Remarks	ing the tempera	ture rising bu	nurrent							
Note 1:Includ Note 2:No co	0 1	india using by (unont.							
,		0	torage for unused products before pcb of			4				
after	pcb on board, o	perating temp	erature and humidity range is applied fo	r interim storage d	during	transportation	1.			
Cou	nt	Descript	ion of revisions	Designed			Checked	<u> </u>	D	ate
\wedge										
						Approved	KI. AKI		15.1	
			, refer to IEC 60512.			Checked		HT. SATO 15		11.
Jnless othe	erwise specific	d, refer to IE				Designed				11.
· · · · · · · · · · · · · · · · · · ·						Drawn	MI. SAKIMURA 15. 1			
	Note QT:Qualification Test AT:Assurance Test X:Applicable Test					20	ELC-302829-35-00			
Note QT:0	Qualification 1	est AT:As	surance Test X:Applicable Test	Drav	wing i				55 00	0
	Qualification 1			Part no.		[DF5A-*DP-5 CL676-			